

Product Specifications



Part Number: STRUT-158-HDG
Galvanized Strut

Dimensions

Finish Hot-Dipped Galvanized
Grade 33
Height 1-5/8"
Length 10 foot
Material Steel
Material Thickness 12 Ga
Style 9/16" x 1-1/8" slots, 2" on center
Type Strut Channel
Width 1-5/8"
Product Weight 19.61 each stick
Sold in bundles of 50 pieces
Steel conforms to ASTM A1011 SS
GR 3, Finish conforms to ASTM A123

Beam Loading						
Span (in)	Max Allowable Uniform Load (lbs)	Deflection at uniform load (in)	Uniform Loading at Deflection Span/180 (lbs)	Uniform Loading at Deflection Span/240 (lbs)	Uniform Loading at Deflection Span/360 (lbs)	Lateral Bracing Reduction Factor
24	1437	0.06	1437	1437	1437	1.00
36	961	0.13	961	961	765	0.94
48	723	0.22	723	646	425	0.88
60	578	0.35	553	408	272	0.82
72	476	0.50	383	289	187	0.78
84	408	0.68	281	213	136	0.75
96	357	0.89	213	162	111	0.71
108	323	1.14	170	128	85	0.69
120	289	1.40	136	102	68	0.66
144	238	2.00	94	68	51	0.61
168	204	2.72	68	51	34	0.55
192	179	3.55	51	43	NR	0.51
216	162	4.58	43	34	NR	0.47
240	145	5.62	34	NR	NR	0.44

Column Loading					
Unbraced Height (in)	Allowable Load at Slot Face (lbs)	Max Column Load Applied at C.G K=0.65 (lbs)	Max Column Load Applied at C.G K=0.80 (lbs)	Max Column Load Applied at C.G K=1.0 (lbs)	Max Column Load Applied at C.G K=1.2 (lbs)
24	3550	10740	9890	8770	7740
36	3190	8910	7740	6390	5310
48	2770	7260	6010	4690	3800
60	2380	5910	4690	3630	2960
72	2080	4840	3800	2960	2400
84	1860	4040	3200	2480	1980
96	1670	3480	2750	2110	1660
108	1510	3050	2400	1810	KL/r>200
120	1380	2700	2110	KL/r>200	KL/r>200
144	1150	2180	1660	KL/r>200	KL/r>200

Product Application

Utilized in general use building applications

